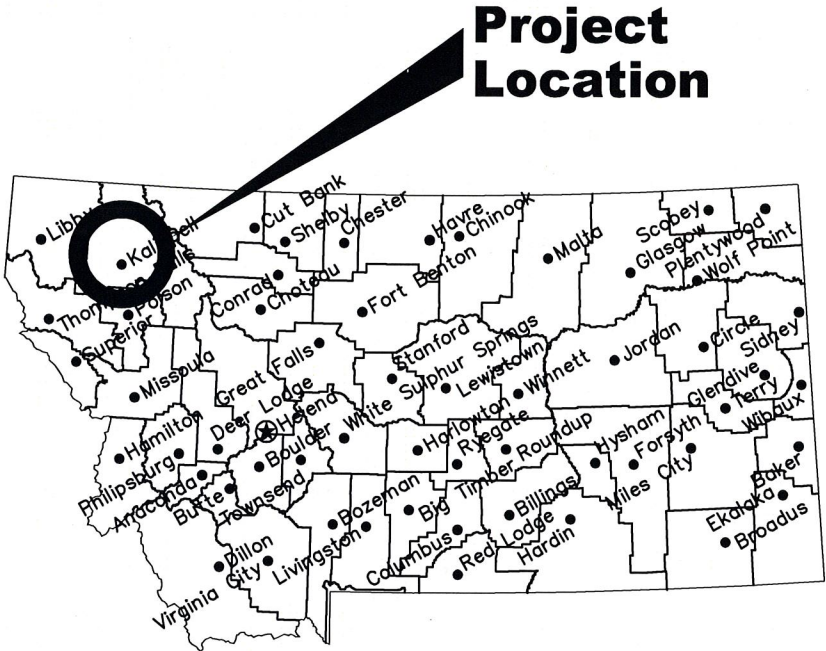


MONTANA FISH, WILDLIFE & PARKS

Pine Grove Pond Fishing Access Site ACCESSIBLE FISHING PLATFORMS

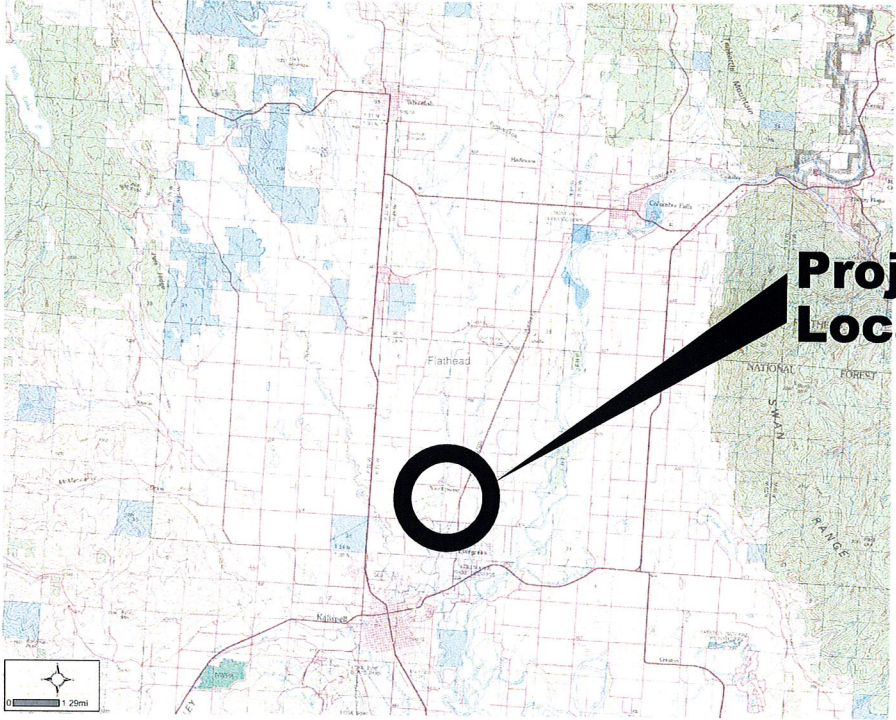
near Kalispell, MT

FWP# 7133702



Location Map

No Scale



Vicinity Map

No Scale

North



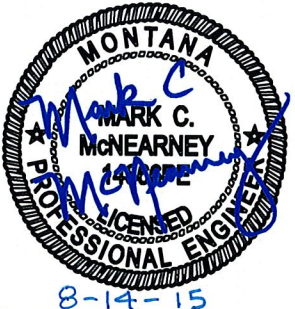
MONTANA FISH, WILDLIFE AND PARKS
DESIGN AND CONSTRUCTION

MAILING ADDRESS: PO BOX 200701
HELENA, MT 59620-0701
TEL 406.841.4000
FAX 406.841.4004
fwpp.mt.gov/Doing Business/Design&Construction

PHYSICAL ADDRESS: 1522 9th AVENUE
HELENA, MT 59601

DRAWING INDEX

- C1 COVER SHEET
- C2 OVERALL SITE PLAN
- C3 PROPOSED FISHING PLATFORM #1 SITE PLAN
- C4 PROPOSED FISHING PLATFORM #2 SITE PLAN
- S1 ACCESSIBLE FISHING PLATFORM PLAN
- S2 ACCESSIBLE FISHING PLATFORM SECTION
- S3 ACCESSIBLE FISHING PLATFORM SECTION
- S4 ACCESSIBLE FISHING PLATFORM FRAMING PLAN



M. McNearney May 11, 2015
DRAWN BY: DATE:
? ?
CHECKED BY: DATE:

APPROVED BY: DATE:
APPROVED BY: DATE:

APPROVED BY: DATE:
APPROVED BY: DATE:

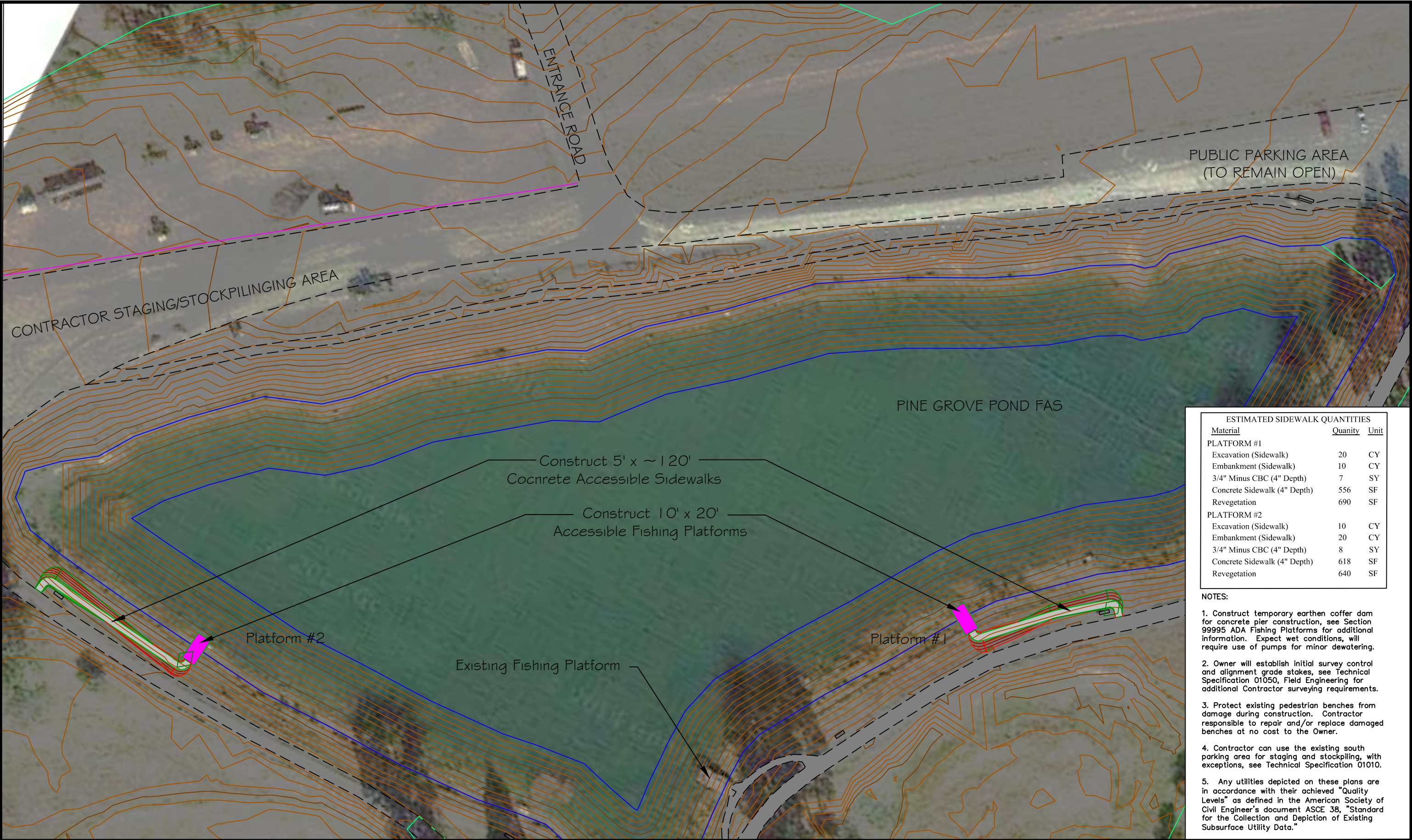


**Montana Fish,
Wildlife & Parks**

Cover Sheet
Pine Grove Pond FAS (near Kalispell, MT)

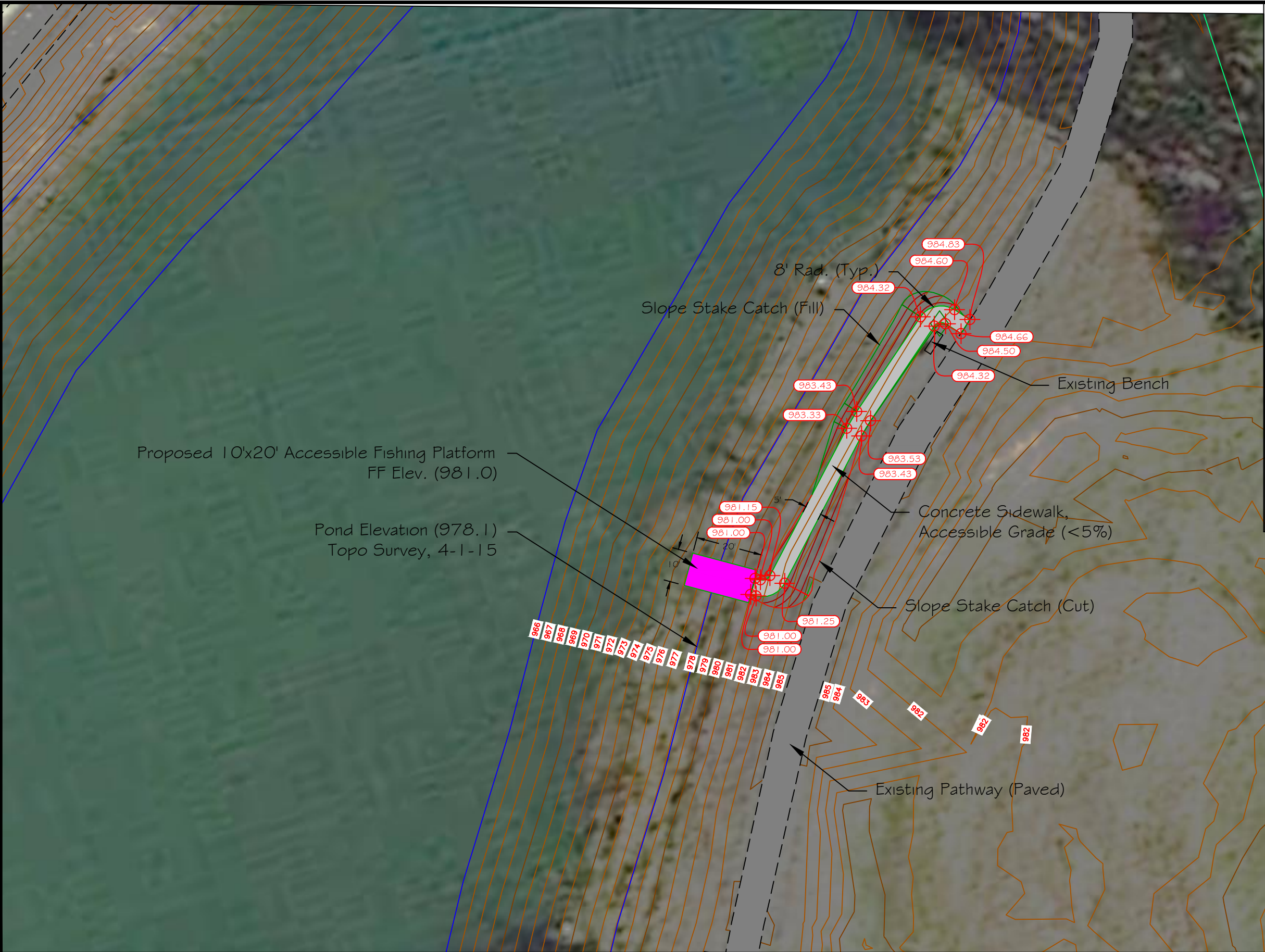


SHEET: C1
of 4



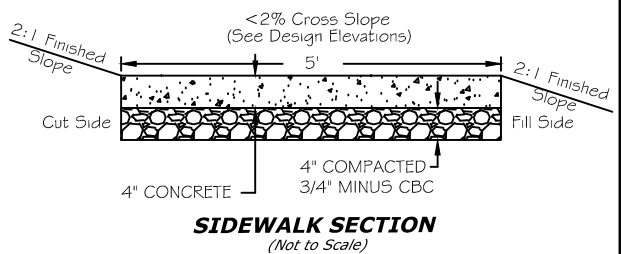
ESTIMATED SIDEWALK QUANTITIES		
Material	Quantity	Unit
PLATFORM #1		
Excavation (Sidewalk)	20	CY
Embankment (Sidewalk)	10	CY
3/4" Minus CBC (4" Depth)	7	SY
Concrete Sidewalk (4" Depth)	556	SF
Revegetation	690	SF
PLATFORM #2		
Excavation (Sidewalk)	10	CY
Embankment (Sidewalk)	20	CY
3/4" Minus CBC (4" Depth)	8	SY
Concrete Sidewalk (4" Depth)	618	SF
Revegetation	640	SF

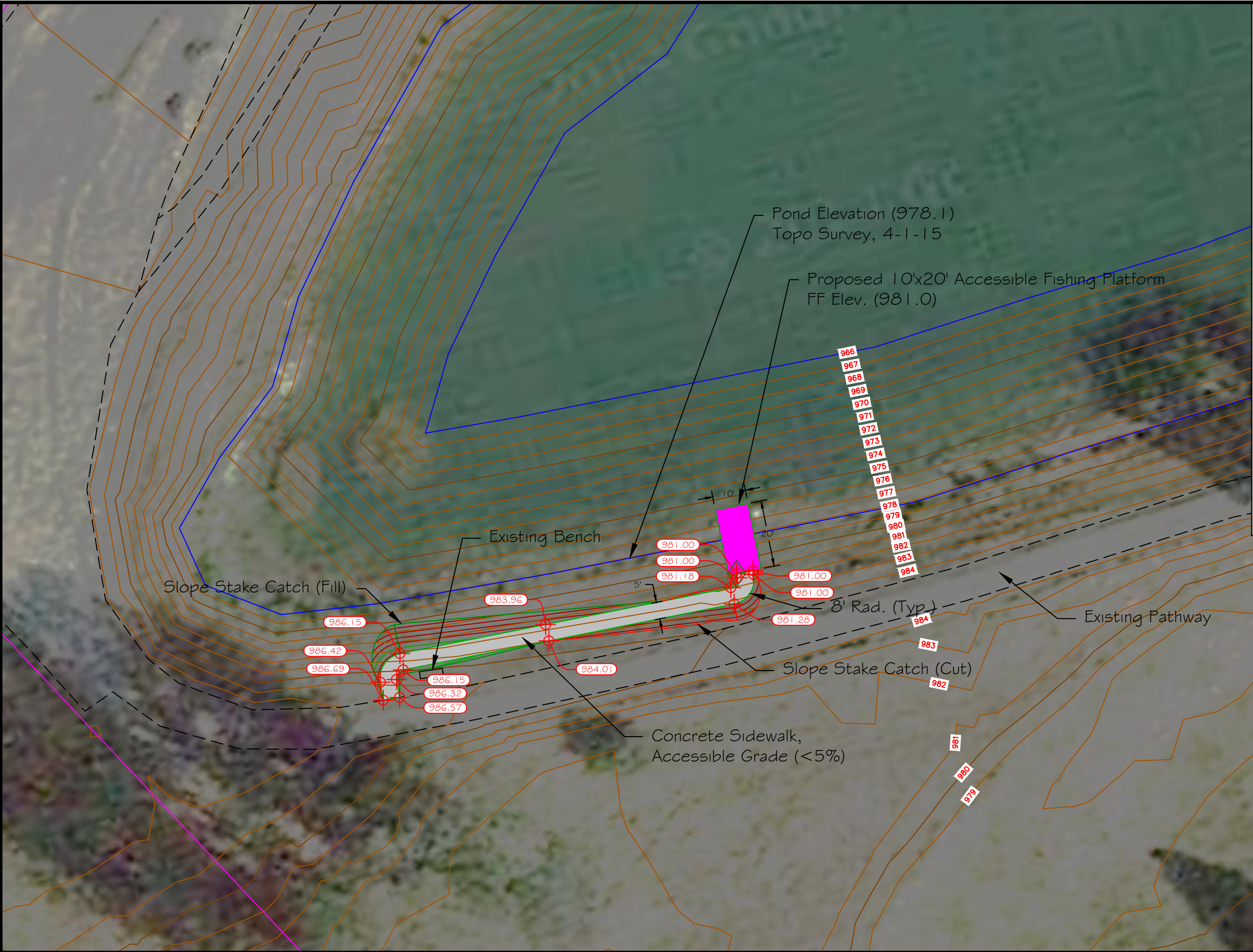
- NOTES:
1. Construct temporary earthen coffer dam for concrete pier construction, see Section 99995 ADA Fishing Platforms for additional information. Expect wet conditions, will require use of pumps for minor dewatering.
 2. Owner will establish initial survey control and alignment grade stakes, see Technical Specification 01050, Field Engineering for additional Contractor surveying requirements.
 3. Protect existing pedestrian benches from damage during construction. Contractor responsible to repair and/or replace damaged benches at no cost to the Owner.
 4. Contractor can use the existing south parking area for staging and stockpiling, with exceptions, see Technical Specification 01010.
 5. Any utilities depicted on these plans are in accordance with their achieved "Quality Levels" as defined in the American Society of Civil Engineer's document ASCE 38, "Standard for the Collection and Depiction of Existing Subsurface Utility Data."



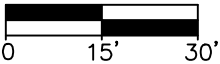
CONTROL POINTS			
Description	Northing	Easting	Elevation
CP1	10,000.00	5,000.00	1,000.00
CP2	9,404.16	5,694.22	981.05

LEGEND	
Existing Features	
Control Point	
Edge of Path	
Asphalt Trail	
Proposed Features	
Concrete Path	
Fishing Platform	
Finished Elev.	





Scale:



CONTROL POINTS

Description	Northing	Easting	Elevation
CP1	10,000.00	5,000.00	1,000.00
CP2	9,404.16	5,694.22	981.05

LEGEND

Existing Features

Control Point

Edge of Path

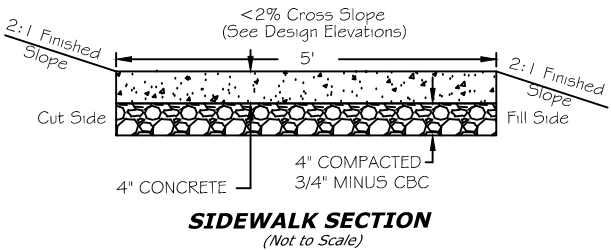
Asphalt Trail

Proposed Features

Concrete Path

Fishing Platform

Finished Elev.



M. McNearney 5/7/15
DRAWN BY: DATE:
? ?
CHECKED BY: DATE:

REVISED BY: DATE:
APPROVED BY: DATE:

APPROVED BY: DATE:
APPROVED BY: DATE:



Montana Fish
Wildlife & Parks

121

Proposed Fishing Platform #2 Site Plan
Pine Grove Pond FAS (near Kalispell, MT)

SHEET: C4
of 4

CONCRETE WALK, SEE
CIVIL/SITE DRAWINGS

CONCRETE
GRADE BEAM

APPROXIMATE EDGE OF WATER

SAW CUT $\frac{1}{4}$ " x $1\frac{1}{2}$ " CONTROL JOINTS
AS SOON AS CAN BE DONE WITHOUT
EDGE RAVELING. FILL WITH
BASF MASTERSEAL CR100 JOINT FILLER

PIER FOOTING (TYP.)

Platform Plan

GENERAL NOTES:

1. SUBMIT STEEL FABRICATION SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
2. STEEL GRADES: ASTM A992 FOR WIDE FLANGE BEAMS. ASTM A36 FOR PLATES, CHANNELS AND ANGLES. ASTM A500 GRADE B FOR PIPE. ASTM 325 FOR CONNECTION BOLTS. ASTM 307 FOR ANCHOR BOLTS. ASTM A615 GRADE 60 FOR PLAIN, DEFORMED, REINFORCING BARS.
3. USE 5/8 INCH DIAMETER BOLTS FOR STEEL FRAMING CONNECTIONS. USE 3/4 INCH DIAMETER ANCHOR BOLTS.
4. ALL STRUCTURAL STEEL AND HANDRAIL TO BE POWDER COAT PAINTED, SEE SPECIAL PROVISIONS.
5. WELDER QUALIFICATIONS AND WELDING METHODS TO COMPLY WITH REQUIREMENTS OF AWS D1.1. USE E70XX ELECTRODES. TO THE EXTENT PRACTICABLE, MAKE ALL WELDS PRIOR TO PAINTING. TOUCH UP WELDS MADE AFTERWARD WITH REPAIR PAINT.
6. USE VULCRAFT 1.5VL20 GALVANIZED METAL FLOOR DECKING. FASTEN WITH HILTI X-CR 16 P8 STAINLESS STEEL FASTENERS ON 4/36 PATTERN AT INTERIOR SUPPORTS AND AT 12 INCHES MAX ON CENTER AROUND PERIMETER. SIDELAP FASTENERS TO BE BUTTON PUNCH CRIMPS AT 24 INCHES ON CENTER.
7. CONCRETE MIX DESIGNS TO PRODUCE 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI MINIMUM, WITH 4% TO 6% ENTRAINED AIR, MAX SLUMP OF 4 INCHES, AND INCORPORATING 3/4 INCH MAX SIZE AGGREGATE. SLAB CONCRETE TO ALSO INCORPORATE FIBERMESH-150 POLYPROPYLENE FIBERS AT THE RATE OF 1.5 POUNDS OF PER CUBIC YARD. SUBMIT CONCRETE MIX DESIGNS FOR REVIEW AND APPROVAL PRIOR TO INCORPORATING INTO WORK.



1715 S. RESERVE STREET, SUITE C
MISSOULA, MT 59801
(406) 532-2200

G. SMITH	JULY 02, 2015
DRAWN BY:	DATE:
C. WISE	JULY 02, 2015
CHECKED BY:	DATE:

D. HIROSE	AUGUST 03, 2015
APPROVED BY:	DATE:
M. McNEARNEY	AUGUST 14, 2015
APPROVED BY:	DATE:

APPROVED BY:	DATE:
APPROVED BY:	DATE:



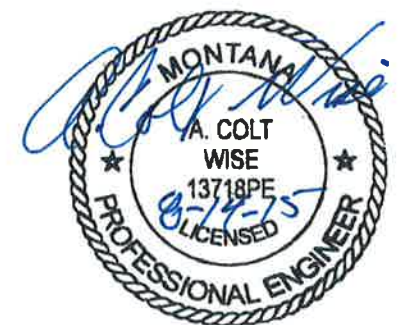
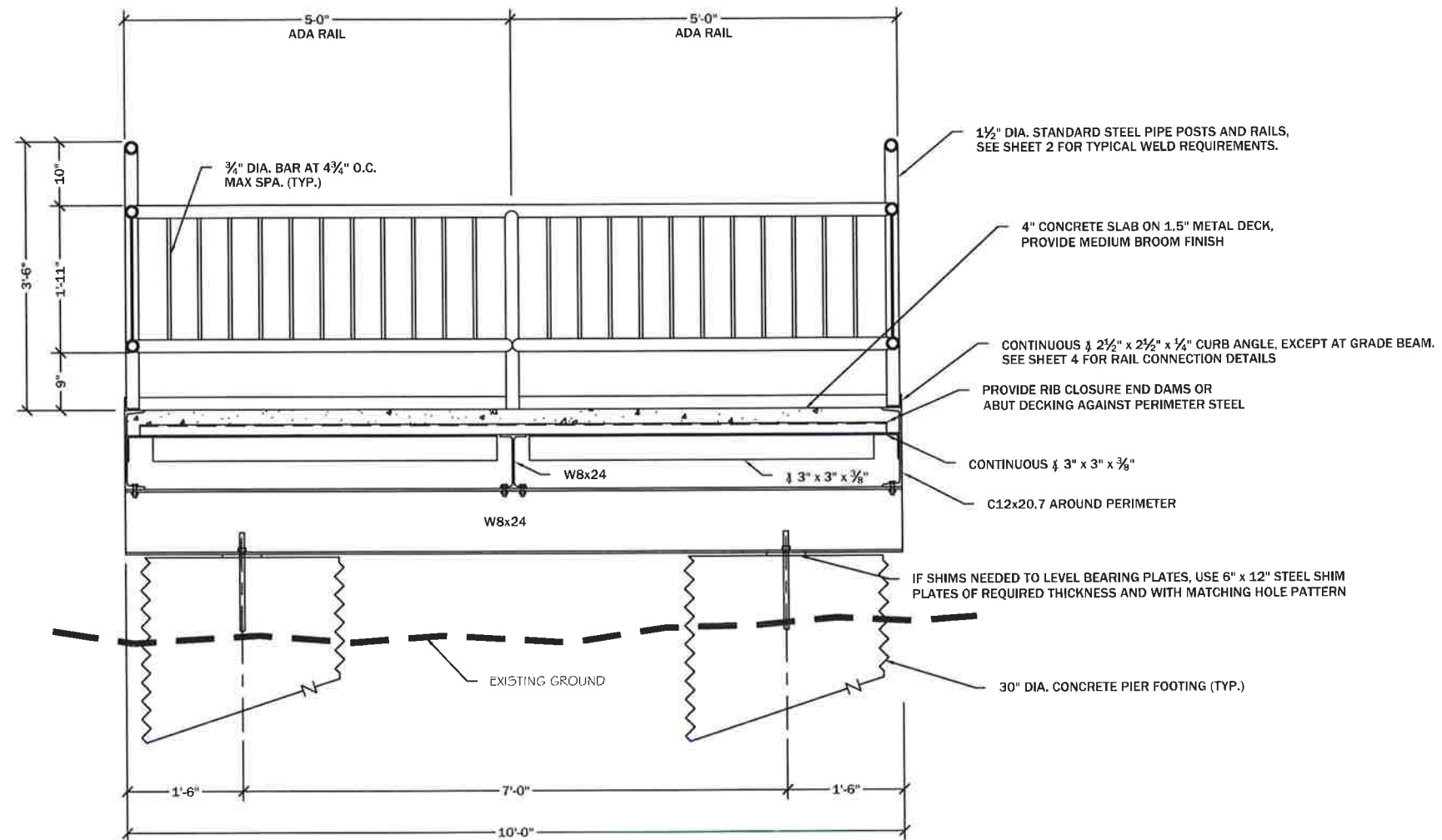
**Montana Fish,
Wildlife & Parks**

Accessible Fishing Platform Plan

Pine Grove Fishing Access Site



SHEET:
S1
of
4



Cross Section



1715 S. RESERVE STREET, SUITE C
MISSOULA, MT 59801
(406) 532-2200

DRAWN BY: G. SMITH DATE: JULY 02, 2015
CHECKED BY: C. WISE DATE: JULY 02, 2015

APPROVED BY: D. HIROSE DATE: AUGUST 03, 2015
APPROVED BY: M. McNEARNEY DATE: AUGUST 14, 2015

APPROVED BY: DATE:
APPROVED BY: DATE:

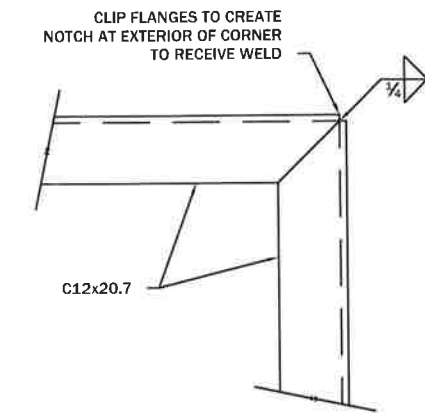
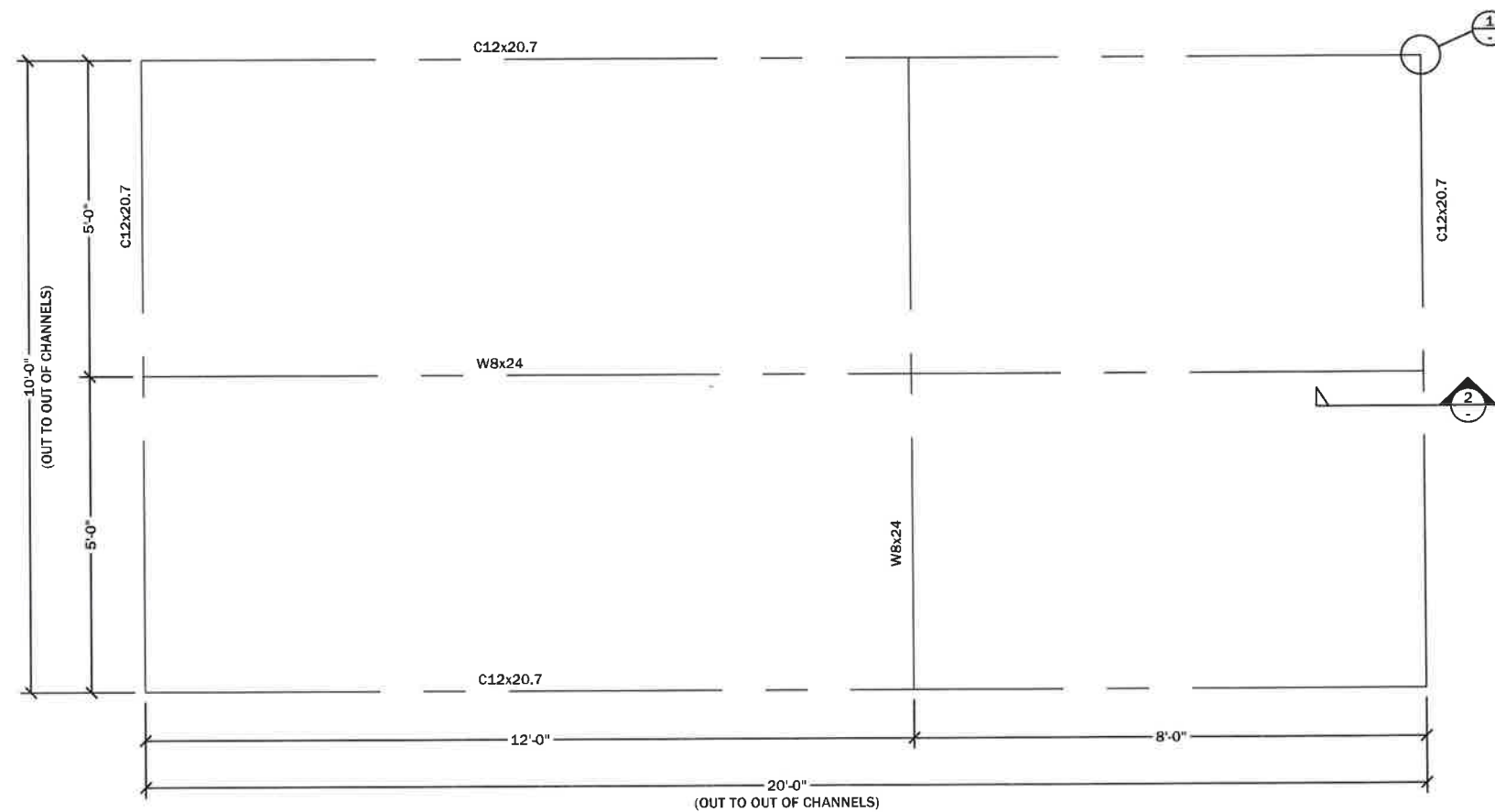


**Montana Fish,
Wildlife & Parks**

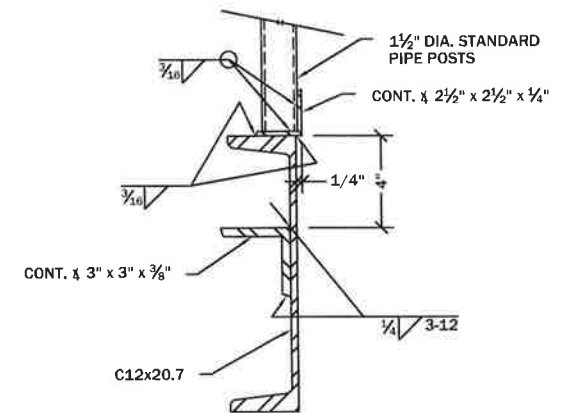
Accessible Fishing Platform Section
Pine Grove Fishing Access Site



SHEET: S3
of 4

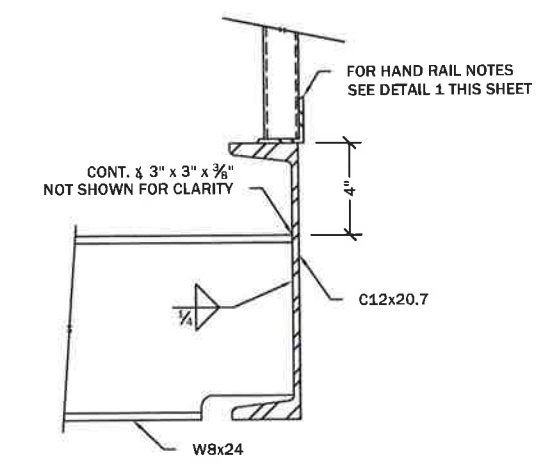


PLAN



SECTION

EXTERIOR CORNER CONNECTION 1
1 1/2" = 1'-0"



CONNECTION DETAIL 2
1 1/2" = 1'-0"



1715 S. RESERVE STREET, SUITE C
MISSOULA, MT 59801
(406) 532-2200

Platform Framing Plan



G. SMITH	JULY 02, 2015	D. HIROSE	AUGUST 03, 2015	APPROVED BY:	DATE:
DRAWN BY:	DATE:	APPROVED BY:	DATE:	APPROVED BY:	DATE:
C. WISE	JULY 02, 2015	M. McNEARNEY	AUGUST 14, 2015	APPROVED BY:	DATE:
CHECKED BY:	DATE:	APPROVED BY:	DATE:	APPROVED BY:	DATE:



Montana Fish,
Wildlife & Parks

Accessible Fishing Platform Framing Plan
Pine Grove Fishing Access Site



SHEET: S4 of 4